

Syllabus

for course at first level

The Evolution, Genetics and Behaviour of the Dog, Introductory Course **7.5 Higher Education Credits**
Hundens evolution, genetik och beteende, orienteringskurs **7.5 ECTS credits**

Course code:	BL1007
Valid from:	Autumn 2009
Date of approval:	2009-01-12
Department	Department of Biology Education
Subject	Biology
Specialisation:	G1N - First cycle, has only upper-secondary level entry requirements

Decision

This syllabus has been approved by the Board of the Faculty of Science at Stockholm University

Prerequisites and special admittance requirements

Basic eligibility.

Course structure

Examination code	Name	Higher Education Credits
1007	The Evolution, Genetics and Behaviour of the Dog	7.5

Course content

The course covers basic and modern knowledge about dog evolution and domestication, the genetic constitution of dogs, genetic aspects of modern dog breeding and dog behaviour characterized by modern ethological research. The course puts emphasis on communicating results from research on dogs and how these results can be applied in modern dog breeding and dog handling

Learning outcomes

It is expected that the student after taking the course will be able to:

- describe elements of the current state of knowledge concerning the dog's domestication process and evolutionary association with other canids, wild dogs and the animal ecology and conservation biology status
- show some understanding of basic genetic concepts and processes that are relevant in the modern breeding of dogs
- calculate inbreeding coefficients of individual animals based on pedigree information
- demonstrate basic understanding for how loss of genetic variation can be addressed based on pedigree data and why it is important to address the issue of rate of loss. •present some basic theoretical knowledge on ethology and learning in dogs.
- show some insight into modern ethological research on dogs.

Education

The education consists of lectures, seminars, computer exercises and group work. Participation in all parts is compulsory.

An examiner may rule that a student is not obliged to participate in certain compulsory education if there are special grounds for this after consultation with the relevant teacher.

Forms of examination

a. Examination for the course is in the following manner: measurement of knowledge takes place through: Written or oral examination as well as written and oral presentations.

b. Grading is carried out according to a 7-point scale related to learning objectives:

A = Excellent

B = Very Good

C = Good

D = Satisfactory

E = Sufficient

Fx = Fail

F = Fail

c. Grading criteria for the course will be distributed at the start of the course.

d. A minimum grade of E is required to pass the course, together with:

• participation in all compulsory education

e. Students who fail to achieve a pass grade in an ordinary examination have the right to take at least further four examinations, as long as the course is given. The term “examination” here is used to denote also other compulsory elements of the course. Students who have achieved a pass grade on an examination may not retake this examination in order to attempt to achieve a higher grade. Students who have failed to reach a pass grade on two occasions have the right to request that a different teacher be appointed to set the grade of the course. A request for such appointment must be sent to the departmental board.

Interim

Students may request that the examination is carried out in accordance with this syllabus even after it has ceased to apply. This right is limited, however, to a maximum of three occasions during a two-year-period after the end of giving the course. A request for such examination must be sent to the departmental board.

Limitations

A Bachelor degree from the Faculty of Science at Stockholm University may normally include a maximum of 15 hp (ECTS credits) from courses classified as “introductory” courses.

Introductory courses can not be included among credits for a Master’s degree at the Faculty of Science, Stockholm University.

Misc

The course is given as an individual course.

Required reading

Course literature is decided by the departmental board and is described in an appendix to the syllabus.